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## I. Amendments to the Claims:

This listing of claims replaces without prejudice all prior versions, and listings, of claims in the application:

### Listing of Claims:

1. (Currently Amended) An inspection lamp having light emitting diodes as a source of radiation suitable for causing visible fluorescence of fluorescent materials, where said light emitting diodes are substantially non-identical in spectral characteristics of their emitted radiation, such that at least one but not all of said light emitting diodes in said inspection lamp produce wavelengths of radiation that are favorable for causing visible fluorescence of some fluorescent materials, and such that one or more different said light emitting diodes in said inspection lamp produce substantially different wavelengths of radiation which are more favorable than the wavelengths of first said light emitting diode(s) for causing visible fluorescence of some fluorescent materials other than first said fluorescent materials, and wherein if one light emitting diode is emitting radiation then at least one other light emitting diode is emitting radiation.
2. (Previously Presented) An inspection lamp as set forth in claim 1 where at least one light emitting diode has a peak emission wavelength in the ultraviolet and having at least one light emitting diode with a peak emission wavelength that is visible but suitable for causing visible fluorescence of fluorescent materials.

3. (Previously Presented) An inspection lamp as set forth in claim 1 where at least one light emitting diode produces mostly blue visible light and where at least one light emitting diode produces mostly visible violet light or ultraviolet radiation.
4. (Previously Presented) An inspection lamp as set forth in claim 3 where at least one light emitting diode has a peak emission wavelength in the range of 425 to 480 nanometers and at least one light emitting diode has a peak emission wavelength in the range of 360 to 430 nanometers.
5. (Previously Presented) An inspection lamp as set forth in claim 1 having one or more lenses to collimate the radiation produced by at least some of the light emitting diodes.
6. (Previously Presented) An inspection lamp as set forth in claim 5 where the radiation produced by each light emitting diode is collimated by a separate lens associated with or mounted forward from each said light emitting diode.
7. (Previously Presented) An inspection lamp as set forth in claim 1 having a handle.
8. (Previously Presented) An inspection lamp as set forth in claim 7 where the handle shares a longitudinal axis with the inspection lamp as a whole.
9. (Previously Presented) An inspection lamp as set forth in claim 7 where the handle does not share an axis with any other major portion of said inspection lamp.
10. (Previously Presented) An inspection lamp as set forth in claim 1 designed to accept one or more dry cells as a source of power.

11. (Previously Presented) An inspection lamp as set forth in claim 1 designed to accept power from an external power source.
12. (Previously Presented) An inspection lamp as set forth in claim 11 where the external power source is a source of direct current with a voltage of substantially 12 volts.
13. (Previously Presented) An inspection lamp as set forth in claim 11 where the external power source is a source of alternating current with a voltage of substantially 110-125 volts.
14. (Previously Presented) An inspection lamp as set forth in claim 11 where the external power source is a source of alternating current with a voltage of substantially 220-240 volts.
15. (Previously Presented) An inspection lamp as set forth in claim 1 having one or more rechargeable cells as a source of power.
16. (Previously Presented) An inspection lamp as set forth in claim 15 further having means to recharge its rechargeable cells.
17. (Previously Presented) An inspection lamp as set forth in claim 1 having one or more dropping resistors to limit the amount of current which flows through at least one of the light emitting diodes.
18. (Previously Presented) An inspection lamp as set forth in claim 1 having non-switching current regulation means to control the amount of current which flows through at least one of the light emitting diodes.
19. (Previously Presented) An inspection lamp as set forth in claim 1 having switching current regulation means to control the amount of current which flows through at least one of the light emitting diodes.

20. (Previously Presented) An inspection lamp as set forth in claim 1 of such design that at least one of the light emitting diodes does not require separate means to limit or control the amount of current flowing through said light emitting diode.
21. (Previously Presented) A module having light emitting diodes that are substantially non-identical and which produce a variety of wavelengths suitable for exciting a variety of fluorescent dyes, and suitable for replacing the bulb and/or the reflector of a flashlight so as to achieve an inspection lamp as set forth in claim 1.
22. (Previously Presented) An inspection lamp as set forth in claim 1 containing one or more light emitting diode modules as set forth in claim 21.
23. (Previously Presented) An inspection lamp as set forth in claim 1 having one or more light emitting diode modules, where at least one light emitting diode module has only one type of light emitting diode but the inspection lamp as a whole includes more than one type of light emitting diode so as to produce a variety of wavelengths suitable for exciting a variety of fluorescent dyes.
24. (Previously Presented) An inspection lamp as set forth in claim 23 where at least one light emitting diode module is of a type suitable as a bulb replacement in a flashlight.
25. (Currently Amended) An inspection lamp having:
  - a. Two or more light emitting diodes which produce radiation suitable for causing visible fluorescence of fluorescent materials,
  - b. A plurality of lenses, a lens of the plurality of lenses forward from each of said light emitting diodes

- to collimate the radiation from each light emitting diode into a beam,
- such that each the beams of radiation individually associated with each of said light emitting diodes projects forward from said its lenses and a plurality of beams of radiation simultaneously produced by a plurality of the light emitting diodes merge together.
26. (Currently Amended) An inspection lamp as set forth in claim 25 where the individual beams projecting forward from ~~each the~~ lenses are parallel to each other.
27. (Previously Presented) An inspection lamp as set forth in claim 25 where the individual beams converge towards each other such that the axes of the beams intersect with each other at a specific distance forward of the lenses.
28. (Currently Amended) An inspection lamp having:
- a. Two or more light emitting diodes which produce radiation suitable for causing visible fluorescence of fluorescent materials,
  - b. A plurality of lenses, a lens of the plurality of lenses forward from each of said light emitting diodes to collimate the radiation from each light emitting diode into a beam,
- such that each beam of radiation individually associated with each of said light emitting diodes projects forward from its lens and a plurality of beams of radiation simultaneously produced by a plurality of the light emitting diodes merge together,
- wherein the individual beams converge towards each other such that the axes of the beams intersect with each other at a specific distance forward of the lenses, and ~~An~~ inspection lamp as set forth in claim 27 wherein the individual beams have an angular diameter greater than any angle between any two axes of said beams, such that

- some area can be illuminated by all said beams at any distance from the lenses greater than distance from the lenses to the point at which the beam axes intersect.
29. (Previously Presented) An inspection lamp as set forth in claim 25 where the lenses are comprised by a single piece of suitable transparent material.
30. (Currently Amended) An inspection lamp having:
- a. Two or more light emitting diodes which produce radiation suitable for causing visible fluorescence of fluorescent materials,
  - b. A plurality of lenses, a lens of the plurality of lenses forward from each of said light emitting diodes to collimate the radiation from each light emitting diode into a beam,
- such that each beam of radiation individually associated with each of said light emitting diodes projects forward from its lens and a plurality of beams of radiation simultaneously produced by a plurality of the light emitting diodes merge together,
- wherein the individual beams converge towards each other such that the axes of the beams intersect with each other at a specific distance forward of the lenses, and wherein
- ~~An inspection lamp as set forth in claim 27 where each lens has an area and a center of curvature of at least one curved surface displaced from the axis of its associated light emitting diode so as to form a beam having an axis that is not parallel to said axis of said light emitting diode.~~
31. (Previously Presented) A lens assembly having a longitudinal axis and convex lenses each having at least one curved surface with a center of curvature at a location other than on a line parallel to said lens assembly axis and passing through the center of the area

- of said lens, so as to be suitable to comprise the lenses of an inspection lamp as set forth in Claim 30.
32. (Previously Presented) An inspection lamp as set forth in claim 25 having a handle.
33. (Previously Presented) An inspection lamp as set forth in claim 32 where the handle shares a longitudinal axis with the inspection lamp as a whole.
34. (Previously Presented) An inspection lamp as set forth in claim 32 where the handle does not share an axis with any other major portion of said inspection lamp.
35. (Previously Presented) An inspection lamp as set forth in claim 25 designed to accept one or more dry cells as a source of power.
36. (Previously Presented) An inspection lamp as set forth in claim 25 designed to accept power from an external power source.
37. (Previously Presented) An inspection lamp as set forth in claim 36 where the external power source is a source of direct current with a voltage of substantially 12 volts.
38. (Previously Presented) An inspection lamp as set forth in claim 36 where the external power source is a source of alternating current with a voltage of substantially 110-125 volts.
39. (Previously Presented) An inspection lamp as set forth in claim 36 where the external power source is a source of alternating current with a voltage of substantially 220-240 volts.
40. (Previously Presented) An inspection lamp as set forth in claim 25 having one or more rechargeable cells as a source of power.



41. (Previously Presented) An inspection lamp as set forth in claim 40 further having means to recharge its rechargeable cells.
42. (Previously Presented) An inspection lamp as set forth in claim 25 having dropping resistors to limit the amount of current that flows through at least one of the light emitting diodes.
43. (Previously Presented) An inspection lamp as set forth in claim 25 having non-switching current regulation means to control the amount of current which flows through at least one of the light emitting diodes.
44. (Previously Presented) An inspection lamp as set forth in claim 25 having switching current regulation means to control the amount of current which flows through at least one of the light emitting diodes.
45. (Previously Presented) An inspection lamp as set forth in claim 25 of such design that at least one of the light emitting diodes does not require separate means to limit or control the amount of current flowing through said light emitting diode.
46. (Previously Presented) An inspection lamp as set forth in claim 25 where the light emitting diodes differ significantly in spectral characteristics so as to cause visible fluorescence from fluorescent substances which visibly fluoresce from the output of one or more but not all of said light emitting diodes.
47. (Previously Presented) An inspection lamp as set forth in claim 46 where at least one light emitting diode has a peak wavelength shorter than 425 nanometers and at least one light emitting diode has a peak wavelength longer than 425 nanometers.
48. (Previously Presented) An inspection lamp as set forth in claim 46 having separate switches for each type of

light emitting diode comprised within said inspection lamp.

49. (Previously Presented) An inspection lamp having at least one light emitting diode with a peak wavelength which is ultraviolet and at least one light emitting diode having a peak wavelength which is visible.
50. (Previously Presented) An inspection lamp as set forth in claim 25 having at least one light emitting diode with a peak wavelength less than 425 nanometers and at least one light emitting diode with a peak wavelength greater than 425 nanometers.
51. (Currently Amended) An LED inspection lamp, comprising: a plurality of LED sources, each source for emitting electromagnetic radiation at a different peak wavelength, each different peak wavelength for causing visible fluorescence in a different leak detection dye, and wherein if one LED source is emitting radiation then at least one other LED source is emitting radiation.
52. (Previously Presented) The LED inspection lamp of claim 51, further comprising: a lens associated with each LED so that radiation passing through all lenses from their associated LEDs is substantially superimposed to a target area at a target distance from the lenses.
53. (Cancelled)
54. (Currently Amended) An LED inspection lamp, comprising: a plurality of LEDs emitting electromagnetic radiation at a peak wavelength for causing visible fluorescence in a leak detection dye, and a plurality of lenses, each lens associated with ~~each~~ an individual LED so that the electromagnetic radiation passing through all lenses from their associated LEDs is substantially superimposed to a target area at a target distance from the lenses.

55. (Previously Presented) A lens adaptor, comprising: a lens housing for attachment to an LED inspection lamp with a single LED emitting electromagnetic radiation at a peak wavelength for causing visible fluorescence in a leak detection dye, and a lens within the housing, the lens and housing associating the lens with the LED so that substantially all of the radiation passing through the lens from the LED is substantially directed to a target area at a target distance from the lenses.
56. (Currently Amended) A lens adaptor, comprising: a lens housing and a plurality of lenses, the lens housing for attachment to an LED inspection lamp with a plurality of LEDs emitting electromagnetic radiation at a peak wavelength for causing visible fluorescence in a leak detection dye, and each lens of the plurality of the lenses for associating is associated with a respective one of the each-LEDs when the lens housing is attached to the inspection lamp so that the radiation passing through all lenses from their associated LEDs is substantially superimposed to a target area at a target distance from the lenses.
57. (Currently Amended) A lens and LED assembly for use within a flashlight casing, the assembly comprising: a plurality of LEDs emitting electromagnetic radiation at a peak wavelength for causing visible fluorescence in a leak detection dye, and a plurality of lenses, each lens of the plurality of lenses is associated with each-a respective one of the LEDs so that the electromagnetic radiation passing through all lenses from their associated LEDs is substantially superimposed to a target area at a target distance from the lenses, and the assembly is shaped to fit within the flashlight casing.

58. (Previously Presented) An inspection lamp as set forth in claim 25 where the lenses are part of a lens assembly that is movable to permit adjustment of beam characteristics.

59. (Previously Presented) An inspection lamp as set forth in claim 58 wherein the distance between the lens assembly and the light emitting diodes is adjustable so as to permit changing the distance at which beam components formed by each light emitting diode and each associated lens element are best-formed.

60. (Previously Presented) An inspection lamp as set forth in claim 58 where the LED locations can be changed to permit adjustment of the angle at which beam elements formed by each lens of the lens assembly converge towards each other.

61. (Currently Amended) An inspection lamp having:

a. Two or more light emitting diodes which produce radiation suitable for causing visible fluorescence of fluorescent materials,

b. A plurality of lenses, a lens of the plurality of lenses forward from each of said light emitting diodes to collimate the radiation from each light emitting diode into a beam,

such that each beam of radiation individually associated with each of said light emitting diodes projects forward from its lens and a plurality of beams of radiation simultaneously produced by a plurality of the light emitting diodes merge together, wherein the lenses are part of a lens assembly that is movable to permit adjustment of beam characteristics, wherein the LED locations can be changed to permit adjustment of the angle at which beam components formed by each lens of the lens assembly converge towards each other, and ~~An inspection lamp as set forth in claim 60~~

wherein the distance between lens centers is smaller than the distance between the centers of their ~~associated~~ light emitting diodes that the lenses are forward from so that the beam components, formed by each lens from ~~its associated~~ the light emitting diode that the lens is forward from, converge towards each other.

62. (Previously Presented) An inspection lamp as set forth in claim 61 where the beam components formed by each lens from its associated light emitting diode converge towards each other so that all beam components coincide at a distance which can be changed by changing the locations of the LEDs.

63. (Previously Presented) An inspection lamp as set forth in claim 62 where the distance between the lens assembly and the light emitting diodes is adjustable so as to permit adjustment of the distance at which beam components are focused in addition to permitting adjustment of the distance at which beam elements are coinciding with each other.

64. (Previously Presented) An inspection lamp as set forth in claim 63 further incorporating means to restrict the possible adjustments to a range of adjustments where the beam elements are best-formed at the same distance forward from said inspection lamp at which said beam elements are coinciding with each other.

65. (Previously Presented) An inspection lamp as set forth in claim 1 where any of the light emitting diodes are superluminescent diodes.

66. (Previously Presented) An inspection lamp as set forth in claim 1 where any of the light emitting diodes are laser diodes.

67. (Previously Presented) An inspection lamp as set forth in claim 66 where any of the laser diodes is intended to normally operate in a laser mode.
68. (Currently Amended) An inspection lamp as set forth in claim 66 where any of the laser diodes is intended normally to ~~normally~~ operate in a non-laser mode.
69. (Previously Presented) An inspection lamp as set forth in claim 66 where oblong beams from each laser diode are directed into different directions so as to achieve an overall beam pattern that is not oblong.
70. (Previously Presented) An inspection lamp as set forth in claim 66 having optical means to correct the oblong characteristics of the beams produced by most types of laser diodes.
71. (Previously Presented) An inspection lamp as set forth in claim 70 having one more cylindrical lenses to correct the oblong characteristic of the laser diodes.
72. (Previously Presented) An inspection lamp as set forth in claim 66 where the oblong beam characteristic of laser diodes is corrected with optics other than cylindrical lenses.
73. (Previously Presented) An inspection lamp as set forth in claim 66 having laser diodes of such design as to produce beams not having the oblong characteristic typical of laser diodes.
74. (Previously Presented) An inspection lamp as set forth in claim 66 where the oblong beam characteristic typical of laser diodes is not corrected.
75. (New) An LED inspection lamp, comprising:  
a plurality of LED sources, each source for emitting  
electromagnetic radiation at a different peak wavelength,  
each different peak wavelength for causing visible  
fluorescence in a different leak detection dye, and

wherein each LED sources comprises a plurality of light  
emitting diodes and if one light emitting diode of one LED  
source is emitting radiation then at least one other light  
emitting diode of that LED source is emitting radiation